Emissions Inventory Help Sheet for Concrete Batch Plants

What do I need to report?

Use a separate **General Process Form** to report information on each source of emissions at your plant. Give each process a unique Process ID number. Include:

- all applicable sources from the list below (each on a separate form, attached),
- vehicles moving on unpaved areas on-site (see Help Sheet for Vehicle Travel on Unpaved Roads),
- gasoline storage (in tanks with capacity of 250 gallons or more, see Help Sheet for Fuel Storage and Handling), and
- internal combustion engines (not emergency backup engines that operated a total of less than 200 hours, nor vehicle engines).

See Instructions for Reporting 2002 Annual Air Pollution Emissions, particularly page 3 (assigning ID numbers), page 4 (grouping engines and exclusions) and pages 9-12 (the General Process Form, with examples for engines and unpaved travel). Keep existing Process ID numbers (line 1) for forms corresponding to previously reported processes. **For the processes listed below, be sure to provide information for items 6-8, 11 and the calculation for column 24.** Calculate column 24 as follows: Line 11 × Column 15.

General Process Form: Line 2 **Process Name/Description**	Line 5 **SCC Code**	Line 9 **Process Material**	Line 10 **Used or Produced?**	Line 12 **Unit of Measure**	Column 15 **PM10 Emission Factor (lbs)**	Column 16 **Emission Factor Unit**	Column 17 **Controlled?**
Aggregate delivery to ground storage[1]	30501121	aggregate	U	ton	0.0033	ton	N
Sand delivery to ground storage[1]	30501122	sand	U	ton	0.00099	ton	N
Sand and aggregate storage piles[2]	30502507	acres used for storage	(blank)	acre	630	acre	N
Aggregate transfer to conveyor[1]	30501123	aggregate	U	ton	0.0033	ton	N
Sand transfer to conveyor[1]	30501124	sand	U	ton	0.00099	ton	N
Aggregate transfer into elev. storage bin[1]	30501104	aggregate	U	ton	0.0033	ton	N
Sand transfer into elevated storage bin[1]	30501105	sand	U	ton	0.00099	ton	N
Cement pneumatic transfer to elevated silo[1]	30501107	cement	U	ton	0.00034	ton	Y
Cement supplement (such as flyash) pneumatic transfer to elevated silo[1]	30501117	cement supplement	U	ton	0.0049	ton	Y
Weigh hopper loading[1]	30501108	sand+aggregate	U	ton	0.0024	ton	N
Mixer loading (central mix)[1]	30501109	cement+supplement	U	ton	0.0038	ton	Y
Truck loading (truck mix)[1]	30501110	cement+supplement	U	ton	0.051	ton	Y

These emission factors include existing moisture. No further capture or control efficiencies may be claimed for processes where "Controlled?" (column 17) is "Yes".

[1] Reference: U.S. EPA AP-42, "Compilation of Air Pollutant Emission Factors: Volume I: Stationary Point and Area Sources," 5th ed. Table 11.12-2 (10/01).

[2] The stockpile emission factor above is uncontrolled. You may account for dust control efforts on stockpiles and unpaved travel if you use water or other dust suppressants and if you are in full compliance with the record keeping requirements in Rule 310, Fugitive Dust Sources and/or Rule 316, Nonmetallic Mineral Mining and Processing. Show capture efficiency (in column 19) = 100%. Control efficiency of 70% is allowed for regular watering. The range of acceptable control efficiencies for chemical palliatives (dust suppressants) is 70–90%. When Column 17 is "N" and there are qualifying dust controls, calculate column 24 as follows: Line 11 × Column 15 × [1 – (control efficiency)].